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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/808,613	03/25/2004	Shinroku Maejima	50099-253	5019
7590 01/26/2006		EXAMINER		
MCDERMOTT, WILL & EMERY 600 13th Street, N.W.			NGUYEN, DANG T	
Washington, DC 20005-3096			ART UNIT	PAPER NUMBER
			2824	

DATE MAILED: 01/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		A					
	Application No.	Applicant(s)	_				
	10/808,613	MAEJIMA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Dang T. Nguyen	2824					
The MAILING DATE of this communicatio Period for Reply	n appears on the cover sheet w	ith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR R WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory is Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUN FR 1.136(a). In no event, however, may a on. period will apply and will expire SIX (6) MO statute, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on	25 March 2004						
3) Since this application is in condition for all closed in accordance with the practice un	lowance except for formal ma						
Disposition of Claims		,					
4)⊠ Claim(s) <u>1-11</u> is/are pending in the applic	ation						
,	4a) Of the above claim(s) <u>6-11</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-5</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction a	and/or election requirement.						
Application Papers							
9) ☐ The specification is objected to by the Exa	aminer.						
10)⊠ The drawing(s) filed on <u>25 March 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection t							
Replacement drawing sheet(s) including the c	= · ·						
11)☐ The oath or declaration is objected to by t							
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for fo a)⊠ All b)□ Some * c)□ None of:		§ 119(a)-(d) or (f).					
_ , , , ,							
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 							
•		received in this National Stage					
application from the International B		A manativa d					
* See the attached detailed Office action for	a list of the certified copies no	r received.					
Attachment(s)							
1) Notice of References Cited (PTO-892)		Summary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-94		(s)/Mail Date Informal Patent Application (PTO-152)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date <u>7/30/04</u> .	SB/08) 5) ☐ Notice of 6) ☐ Other: <u>So</u>						

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DETAILED ACTION

1. This action is responsive to communications: Application filed on March 25, 2004 and the Information Disclosure Statement filed on July 20, 2004.

- 2. In response to Examiner's Requirement of Election /Restriction dated 12/01/2005, Applicant elected Group I (claims 1-5) for continued examination.
- Claims 1 11 are restricted in this application. Claims 1 5 have been elected.
 Claims 6 11 have been non-elected. Claim 1 is independent claim.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Ounadjela et al., Patent No. US 6,798,691 B1 – filed Jun. 28, 2002.

Regarding independent claim 1, Fig. 4 of Ounadjela discloses a magnetic layer showing an S-shaped [42b] magnetization distribution when a strength of a magnetic field applied to said magnetic layer (Col. 19 lines 60-64) along a hard axis of said magnetic layer is higher than a threshold value (Col. 18 line 40 – Col.19 line 17) (Fig. 42b discloses when a strength of magnetic filed applied more current Idl along a hard

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axis to the selected level then it transverse magnetic field in the S-shaped, inherent the magnetic layer is higher than threshold voltage then the switching state occurs) and showing a C-shaped [40b] magnetization distribution when said strength of said magnetic field applied to said magnetic layer (Col. 19 line 45 – Col. 20 line 5) along said hard axis is lower than said threshold value (Col. 18 line 25 – Col. 20 line 5, for disclosing if a strength of magnetic field current applied lower current or no external magnetic fields are applied along a hard axis then a magnetization in the C-state).

Regarding dependent claim 2, Fig. 4 of Ounadjela discloses wherein a configuration of said magnetic layer is symmetrical with respect to an axis parallel to said hard axis (Col. 24 lines 1-3) and asymmetrical with respect to an easy axis of said magnetic layer (Col. 13 lines 1-20).

Regarding dependent claim 3, Ounadjela discloses wherein said configuration of said magnetic layer includes a rounded corner (see Figs. 3 and 4).

Regarding dependent claims 4 and 5, Ounadjela discloses wherein said configuration of said magnetic layer includes a plurality of straight lines situated in one of opposite sides of hard axis (see Figs. 3 and 4).

Prior art

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Katti Patent No. US 6,798,690 B1 Date of Patent: Sep. 28, 2004

Shi et al. Patent No. 5,757,695 Date of Patent: May 26, 1998

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Contact Information

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6. Any inquiry concerning this communication from the examiner should be directed to Dang Nguyen, who can be reached by telephone at (571) 272-1955. Normal contact times are M-F, 8:00 AM - 4:30 PM.

Upon an unsuccessful attempt to contact the examiner, the examiner's supervisor, Richard Elms, may be reached at (571) 272-1869.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist, whose telephone number is (703) 305-3900. The faxed phone number for organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the Status of an application may be obtained from the patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or EBC@uspto.gov.

Dang Nguyen 1/12/2006

RICHARD ELMS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800